IN THE CLAIMS

Please amend the claims as follows:

1. (Original): A method in video coding for determining a motion vector prediction associated with a target block of pixels representing a certain area of a video picture, comprising the steps of:

calculating respective vector differences between a primary set of motion vectors associated with a first number of blocks adjacent to the target block and one or more of a secondary set of motion vectors respectively associated with a second number of blocks also adjacent to the target block; and

selecting a motion vector among said primary set of motion vectors corresponding to a smallest one of said vector differences or to a smallest sum of vector differences associated with the respective motion vectors of said primary set as the motion vector prediction.

2. (Original): The method according to claim 1, wherein the first number of blocks is localized close to a leftmost upper corner of the target block, and the second number of blocks is localized close to a rightmost upper corner of the target block.

3. (Original): The method according to claim 1, wherein the first number of blocks includes a first and a second block, and the second number of blocks includes a third block.

4. (Original): The method according to claim 3, wherein the motion vectors of said first, second and third blocks is (x_1, y_1), (x_2, y_2), and (x_3, y_3), respectively.

5. (Original): The method according to claim 4, wherein the step of calculating respective vector differences between the motion vectors of said first and third blocks and between said second and third blocks includes calculating the following equations:

$$\sqrt{(x_3 - x_1)^2 + (y_3 - y_1)^2} \qquad \sqrt{(x_3 - x_2)^2 + (y_3 - y_2)^2} \ .$$

6. (Original): The method according to claim 4, wherein the step of calculating respective vector differences between the motion vectors of said first and third blocks and between said second and third blocks includes calculating the following equations:

$$|x_3 - x_1| + |y_3 - y_1| \qquad |x_3 - x_2| + |y_3 - y_2| \ .$$

7. (Original): The method according to claim 1, wherein some blocks of said first number of blocks is included in said second number of blocks.

8. (Original): The method according to claim 2, wherein the first number of blocks includes a first and a second block, and the second number of blocks includes a third block.

9. (Original): The method according to claim 8, wherein the motion vectors of said first, second and third blocks is (x_1, y_1), (x_2, y_2), and (x_3, y_3), respectively.

10. (Original): The method according to claim 2, wherein some blocks of said first number of blocks is included in said second number of blocks.

11. (Currently Amended): A computer ~~program product~~ readable storage medium encoded with computer executable instructions which causes a computer to implement a

method of ~~for~~ determining a motion vector prediction associated with a target block of pixels

representing a certain area of a video picture, comprising:

~~a first computer code configured to calculate~~ calculating respective vector differences

between a primary set of motion vectors associated with a first number of blocks adjacent to

the target block and one or more of a secondary set of motion vectors respectively associated

with a second number of blocks also adjacent to the target block; and

~~a second computer code configured to select~~ selecting a motion vector among said

primary set of motion vectors corresponding to a smallest one of said vector differences or to

a smallest sum of vector differences associated with the respective motion vectors of said

primary set as the motion vector prediction.

12. (Currently Amended): The computer ~~program product~~ readable storage medium

according to claim 11, wherein the first number of blocks is localized close to a leftmost

upper corner of the target block, and the second number of blocks is localized close to a

rightmost upper corner of the target block.

13. (Currently Amended): The computer ~~program product~~ readable storage medium

according to claim 11, wherein the first number of blocks includes a first and a second block,

and the second number of blocks includes a third block.

14. (Currently Amended): The computer ~~program product~~ readable storage medium

according to claim 13, wherein the motion vectors of said first, second and third blocks is (x_1, y_1), (x_2, y_2), and (x_3, y_1), respectively.

15. (Currently Amended): The computer ~~program product~~ readable storage medium according to claim 14, wherein the step of calculating respective vector differences between the motion vectors of said first and third blocks and between said second and third blocks includes calculating the following equations:

$$\sqrt{(x_3 - x_1)^2 + (y_3 - y_1)^2} \qquad \sqrt{(x_3 - x_2)^2 + (y_3 - y_2)^2}.$$

16. (Currently Amended): The computer ~~program product~~ readable storage medium according to claim 14, wherein the step of calculating respective vector differences between the motion vectors of said first and third blocks and between said second and third blocks includes calculating the following equations:

$$|x_3 - x_1| + |y_3 - y_1| \qquad |x_3 - x_2| + |y_3 - y_2|.$$

17. (Currently Amended): The computer ~~program product~~ readable storage medium according to claim 11, wherein some blocks of said first number of blocks is included in said second number of blocks.

18. (Currently Amended): The computer ~~program product~~ readable storage medium according to claim 12, wherein the first number of blocks includes a first and a second block, and the second number of blocks includes a third block.

19. (Currently Amended): The computer ~~program product~~ readable storage medium according to claim 18, wherein the motion vectors of said first, second and third blocks is (x_1, y_1), (x_2, y_2), and (x_3, y_3), respectively.

20. (Currently Amended): The computer ~~program product~~ readable storage medium according to claim 12, wherein some blocks of said first number of blocks is included in said second number of blocks.